ABSTRACT:

The invention relates to an optical scanning device (15) comprising an objective lens (45) with an optical axis (41). The scanning device comprises an actuator (57) by means of which the objective lens can be displaced at least in a direction parallel to the optical axis. The actuator comprises a magnetic unit (61) and an electrical coil unit (63) co-operating with the magnetic unit. According to the invention, the magnetic unit is positioned in its entirety, viewed in a direction parallel to an X-direction perpendicular to the optical axis, next to and outside the coil unit, part (95, 97, 101, 103, 107, 109) of the coil unit being present in a magnetic stray field (113, 117) of the magnetic unit. As a result, the dimensions and the mass of a moving part of the scanning device carrying the coil unit and the objective lens can be kept comparatively small.

Fig. 3B.